### 196

#### SEQUENCE LISTING

### (1) GENERAL INFORMATION:

- (i) APPLICANT: Murphy, Brian R. Collins, Peter L. Whitehead, Stephen S. Bukreyev, Alexander A. Juhasz, Katalin
- (ii) TITLE OF INVENTION: PRODUCTION OF ATTENUATED RESPIRATORY
  SYNCYTIAL VIRUS VACCINES FROM CLONED NUCLEOTIDE SEQUENCES
- (iii) NUMBER OF SEQUENCES: 14
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Townsend and Townsend and Crew LLP
  - (B) STREET: Two Embarcadero Center, 8th Floor
  - (C) CITY: San Francisco
  - (D) STATE: CA
  - (E) COUNTRY: USA
  - (F) ZIP: 94111-3834
- (v) COMPUTER READABLE FORM:
  - (A) MEDIUM TYPE: Floppy disk
  - (B) COMPUTER: IBM PC compatible
  - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
  - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: US
  - (B) FILING DATE: 15-JUL-1997
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/047,634
  - (B) FILING DATE: 23-MAY-1997
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/046,141
  - (B) FILING DATE: 09-MAY-1997
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: US 60/021,773
  - (B) FILING DATE: 15-JUL-1996
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Parmelee, Steven W.
  - (B) REGISTRATION NUMBER: 31,990
  - (C) REFERENCE/DOCKET NUMBER: 17634-000510
  - (ix) TELECOMMUNICATION INFORMATION:
    - (A) TELEPHONE: 206-467-9600
    - (B) TELEFAX: 415-576-0300
- (2) INFORMATION FOR SEQ ID NO:1:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 15223 base pairs
    - (B) TYPE: nucleic acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: cDNA



(xi) SEOUENCE DESCRIPTION: SEO ID NO:1:

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GGAGTCTTAG CAAAATCAGT TAAAAATATT ATGTTAGGAC ATGCTAGTGT GCAAGCAGAA

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6180





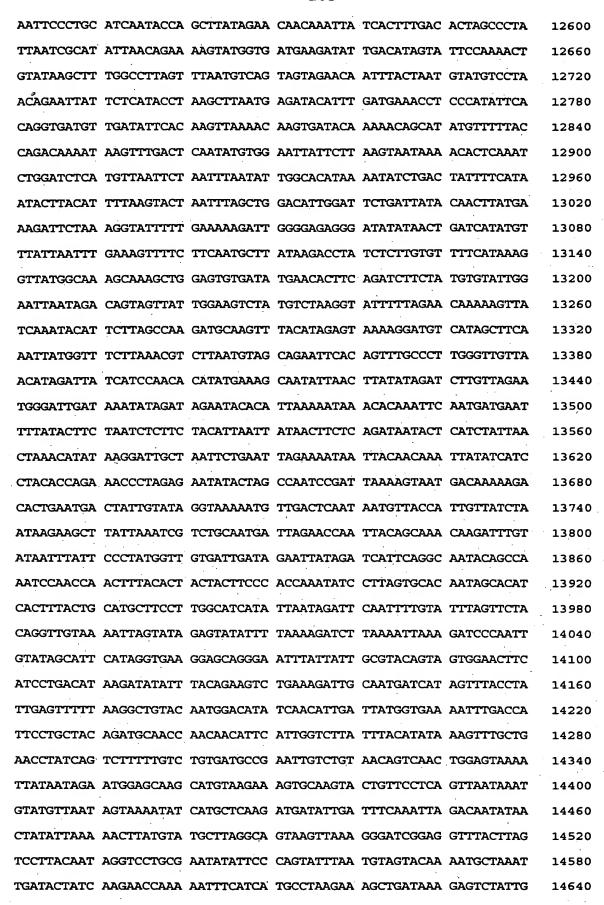


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# (2) INFORMATION FOR SEQ ID NO:2:

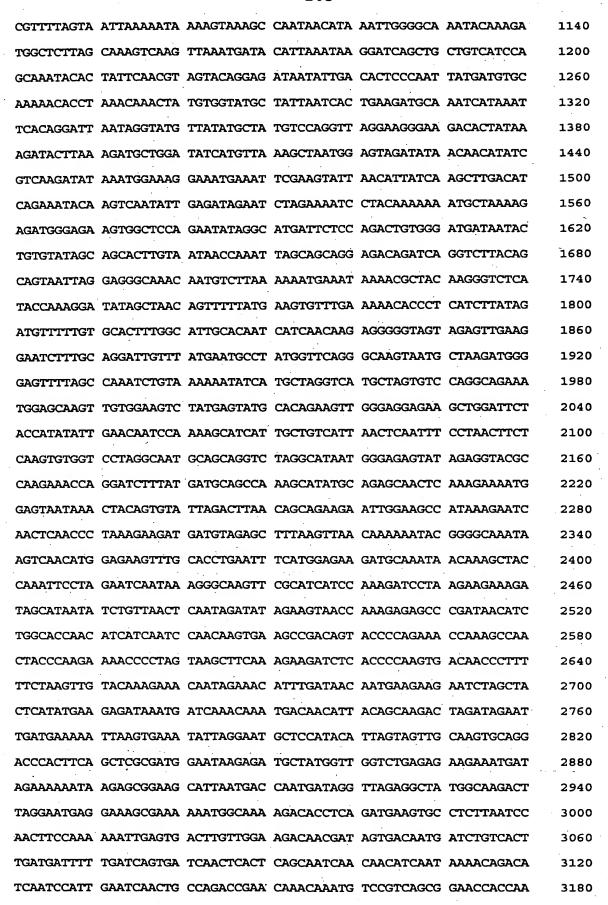
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 15225 base pairs
    (B) TYPE: nucleic acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: cDNA

# (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

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720	CTCTCACCAA	ATAATAACAT	GATGGATTCA	GACCCCTGTC	ACGGACATGA	ATTAATGATC
780	TAAGAAAACT	GAATGTATTG	GATAAACAAT	TCATATACTT	ACACACAAAT	AGAAATCATC
840	TACTGCACAA	GAGATGAAGC	AGTCAATTAT	TTACATTCTT	CAAGCTACAT	TGATGAAAGA
900	GCACTTTCCC	ACAAAATATG	TGAATATAAT	AGAAATACAC	ACCAAATACA	AGTAGGGAGT
960	AGCCTACAAA	ATTGGCATTA	TCTAGAATGT	ATGGCGGGTT	TTTATCAATC	CATGCCTATA
1020	AAAAAACCAA	ATTCCAAÇAA	CAACCCGTAA	AATATGACCT	ATAATATACA	ACACACTCCT
1080	GGAGCTAATC	TAGTTAAGAA	CAATGCTCAA	CCTCAAACAA	CCAAGCTATT	CCCAACCAAA







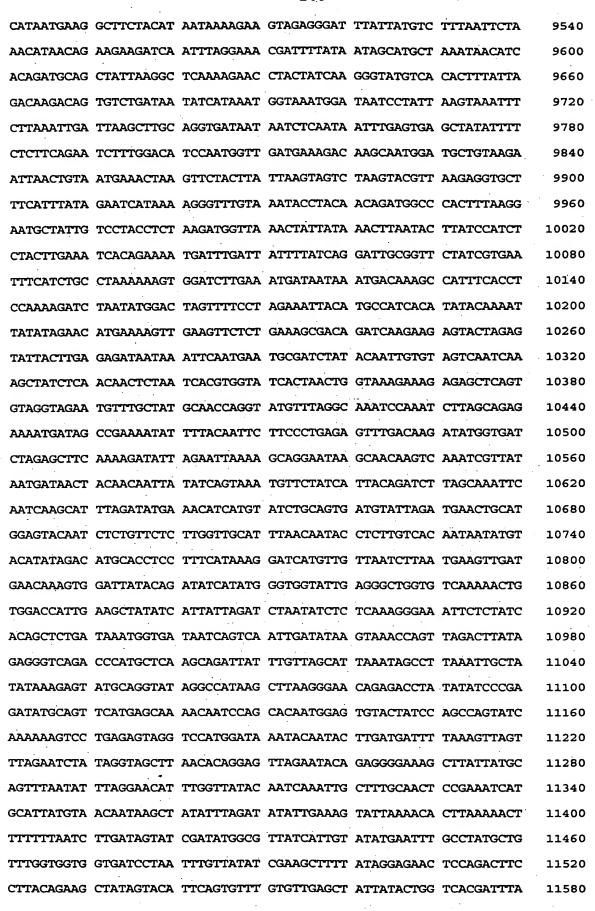


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	AAATAAAACC	AAAATATGGG	GTAAATAGAC	ATTAGTTAGA	GTTCAATCAA	TCTCAACAAC	4260
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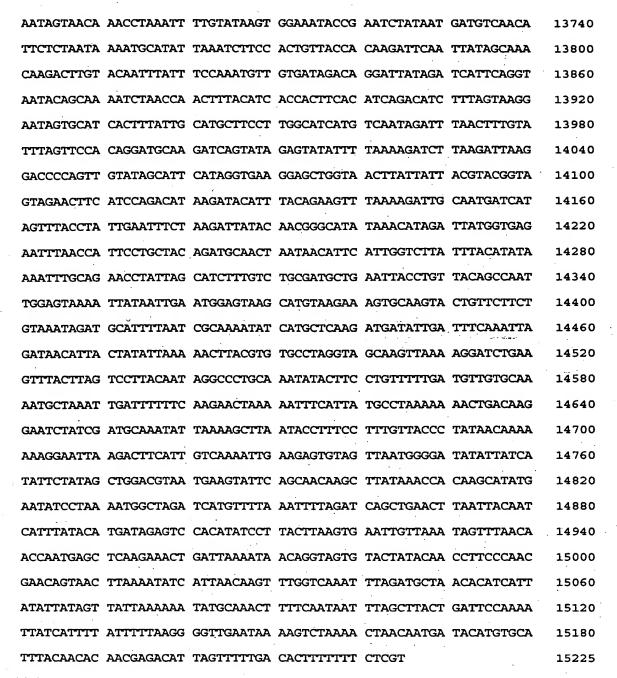












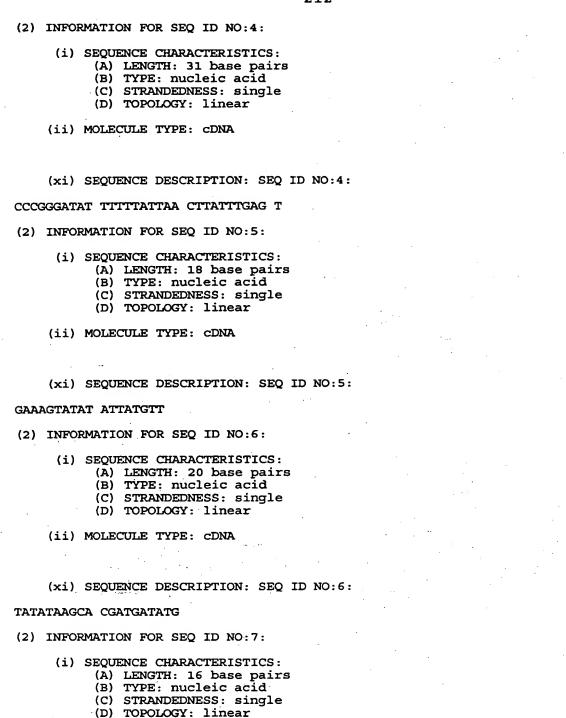
# (2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 33 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

# (ii) MOLECULE TYPE: cDNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
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(ii) MOLECULE TYPE: cDNA

16

31

18

(2) INFORMATION FOR SEQ ID NO.8.	•
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 14 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(ii) MOLECULE TYPE: cDNA	
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(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:8:
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(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:9:
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(i) SEQUENCE CHARACTERISTICS:     (A) LENGTH: 32 base pairs     (B) TYPE: nucleic acid     (C) STRANDEDNESS: single     (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:10:
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(2) INFORMATION FOR SEQ ID NO:11:	
<ul><li>(i) SEQUENCE CHARACTERISTICS:</li><li>(A) LENGTH: 27 base pairs</li><li>(B) TYPE: nucleic acid</li><li>(C) STRANDEDNESS: single</li><li>(D) TOPOLOGY: linear</li></ul>	
(ii) MOLECULE TYPE: cDNA	
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:11:

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(2) INFORMATION FOR SEQ ID NO:12:

	(i)	SEQUENCE CHARACTERISTICS:  (A) LENGTH: 27 base pairs  (B) TYPE: nucleic acid  (C) STRANDEDNESS: single  (D) TOPOLOGY: linear			
	(ii)	MOLECULE TYPE: cDNA			
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(2)	INFOR	MATION FOR SEQ ID NO:13:		•	
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	(ii)	MOLECULE TYPE: cDNA			
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